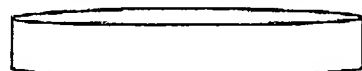
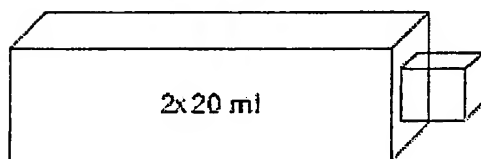
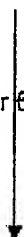


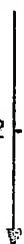
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Protocol 1
Generation of EBs from high-density
cell suspension4 ml suspension with 2×10^6 ES cells/ml

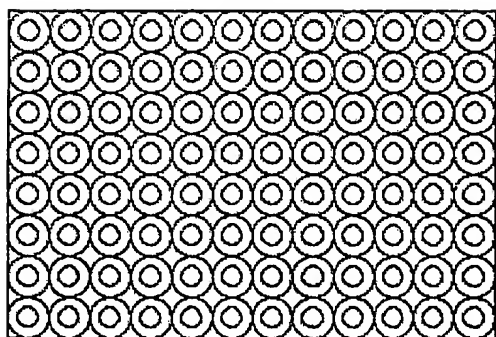
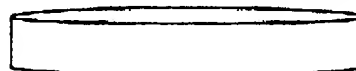
Agitation for 6 h at 50 rpm



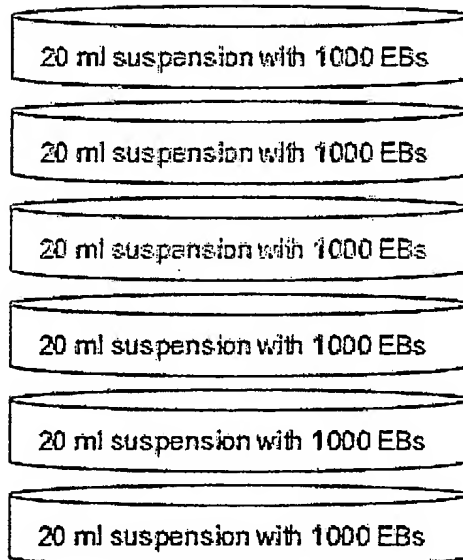
Dilution 1:20 into 2 T25 flasks



Agitation for 12 - 18 h at 50 rpm

Final dilution and sorting of single EBs into
96-well plates, adding of test compounds**Protocol 2**
Generation of EBs from low-density
cell suspension10 ml suspension with 0.2×10^6 ES cells/ml

Agitation for 48 h at 50 rpm

Final dilution of EBs after 48 h, suspension
culture for differentiation of cardiomyocytes**Fig. 1**

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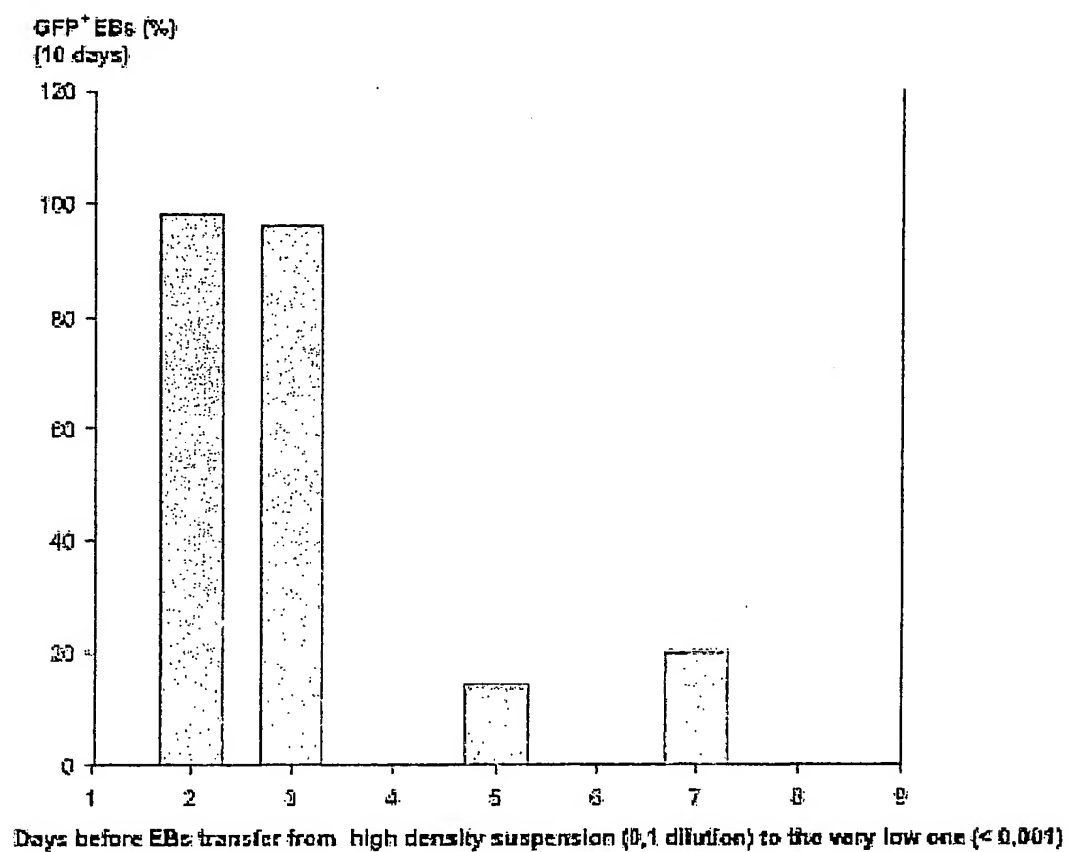


Fig. 2

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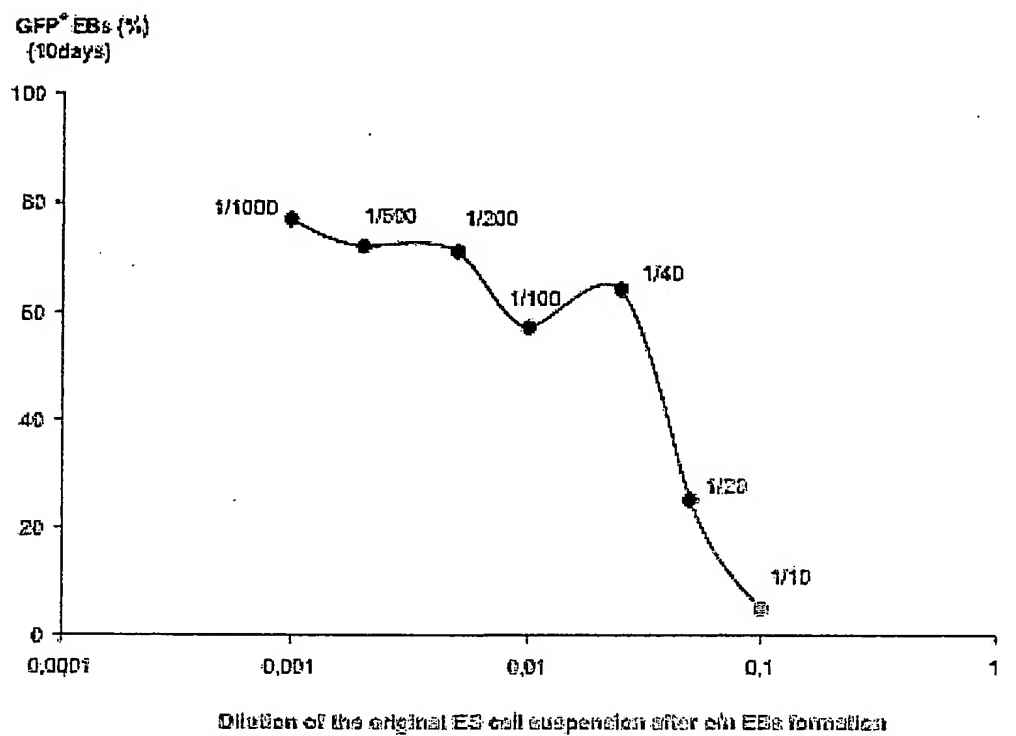


Fig. 3

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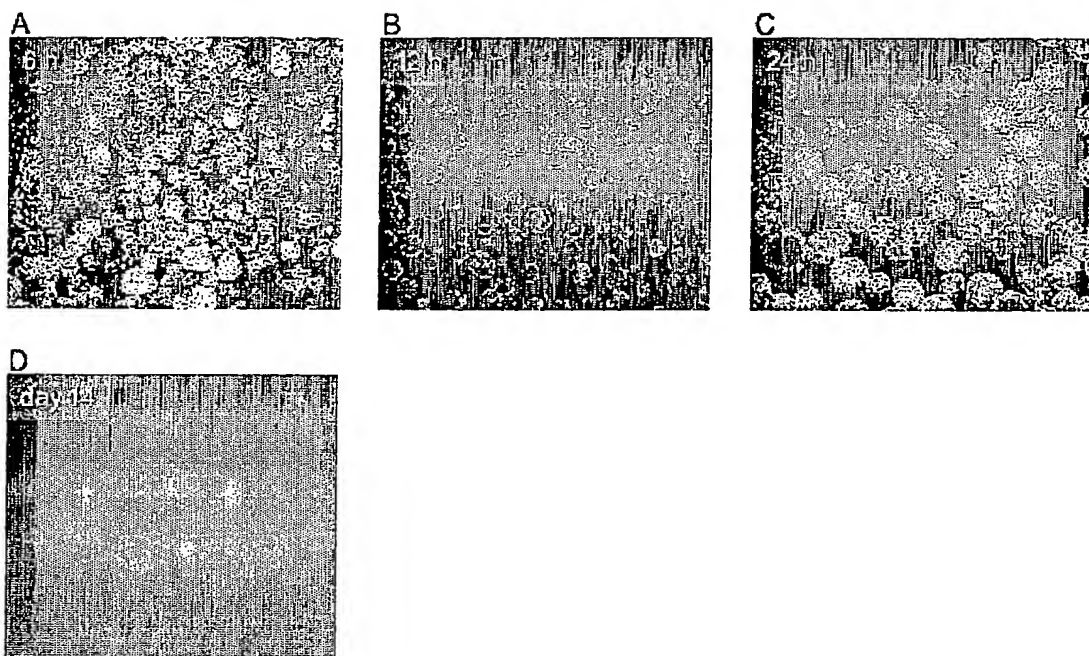


Fig. 4

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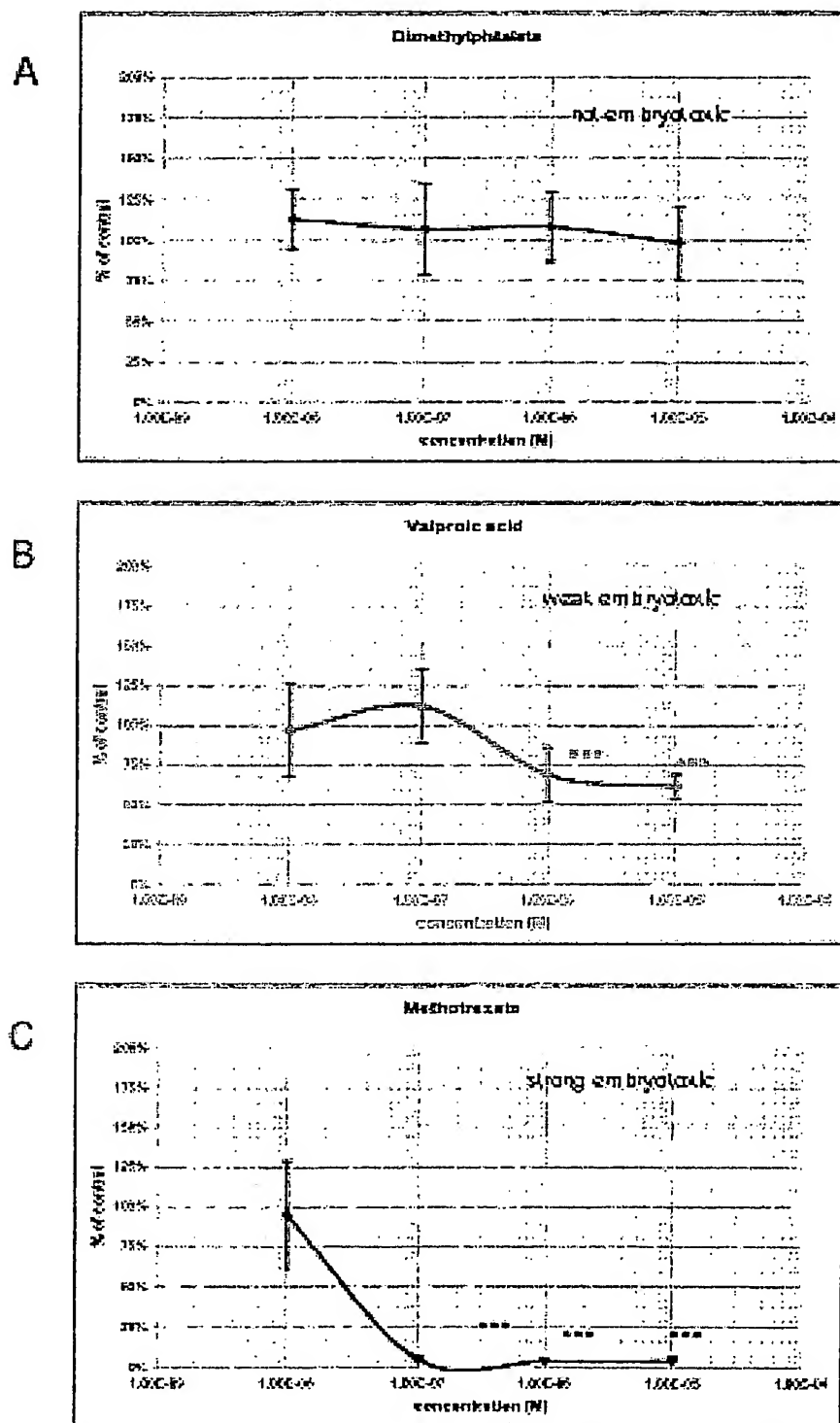


Fig. 5

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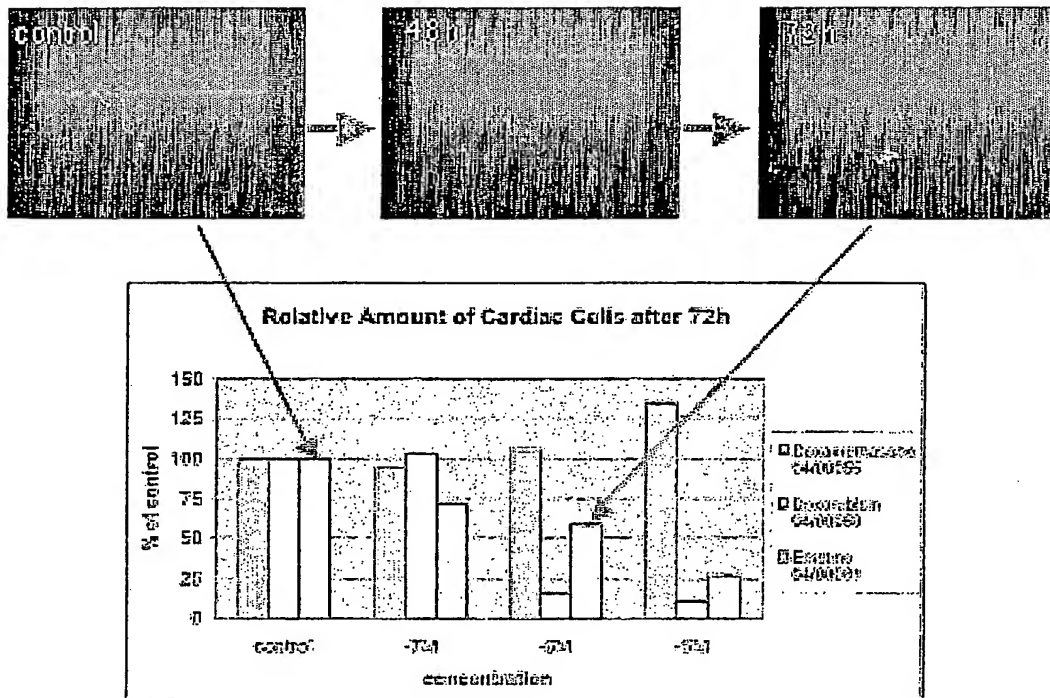


Fig. 6